

AMENDMENTS TO THE CLAIMS

Please **CANCEL** claims 1-12 as shown below.

Please **ADD** new claim 13 as shown below.

The following is a complete list of all claims in this application.

Claims 1-12 (Cancelled)

13. (New) An activated carbon foam comprising a surface area ranging from about 10 m²/g to about 25 m²/g manufactured by the process comprising:

heating swellable particulate coal having a free swell index ranging from about 3.5 to about 5.0 in a mold at a heat-up rate of about 2°C/minute up to a temperature of about 600°C under a non-oxidizing atmosphere at a pressure ranging from about 25 psi to about 500 psi and soaking at said temperature for a time period ranging from about 2 hours to about 6 hours to produce a carbon foam;

activating said carbon foam by placing said carbon foam into a heated container and flowing an activation agent into said heated container at a rate in the range of about 1 ft³/minute to about 10 ft³/minute for a time period ranging from about 1 hour to about 12 hours at a temperature ranging from about 600°C to about 1200°C; and

cooling said heated swellable particulate to a temperature below about 100°C to form a carbon foam having a first overall surface area.